

WHAT IS CLAIMED IS:

1. A data storing and reproducing system using a computer network comprising:

server comprising means for storing
5 reproduction data;

at least one attachment unit coupled to the server, the at least one attachment unit comprising means for interfacing with a portable memory device having a reference to the reproduction data;

10 first and second reproduction devices 18 coupled to one or more of the at least one attachment unit, the first reproduction device 18 capable of performing a first reproduction of the reproduction data and the second reproduction device
15 18 capable of performing a second reproduction of the reproduction data, the second data reproduction being different than the first data reproduction;

wherein the server responds to a request from the at least one attachment unit by
20 transmitting the reproduction data and where the reproduction data is determined to be a format unsuitable for the reproduction device, the data is reformatted for use by the reproduction device.

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25 2. A data storing and reproducing system according to Claim 1, wherein the at least one attachment unit is internal to the first reproduction device.

30 3. A data storing and reproducing system according to Claim 1, wherein the first and second

reproduction devices further comprise means for sending data to the server.

5 4. A data storing and reproducing system according to Claim 3, wherein the at least one attachment unit further comprises means for receiving information corresponding to the sent data for storage in the portable memory device.

10 5. A data storing and reproducing system according to Claim 4, wherein all or a portion of the information is received from the server.

15 6. A data storing and reproduction system according to Claim 1, wherein the portable memory device is usable with multiple attachment units and reproduction devices.

20 7. A data storing and reproducing system according to Claim 1, wherein the at least one attachment unit further comprises a user interface for outputting information and receiving instructions.

25 8. A data storing and reproducing system according to Claim 7, wherein the user interface comprises a portion that is common to all reproduction devices and another portion that is customized to an attached reproduction device.

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5 9. A data storing and reproducing system according to Claim 8, wherein the customizable portion of the user interface is generated based on function information received from the attached data reproduction device.

10 10. A data storing and reproducing system according to Claim 7, wherein the user interface displays for selection at least one entry corresponding to a data reference stored in the portable memory device and at least one selectable function associated of a reproduction device.

15 11. A data storing and reproducing system according to Claim 1, wherein the server further comprises:

20 means for determining whether to convert the data into a format suitable for a reproduction device; and
means for converting the data to such a format based on the determination by the determining means.

25 12. A data storing and reproducing system according to Claim 11, wherein the suitable format for the identified reproduction device is image data format and the data is not image data, the conversion means causing the data to be converted to image data.

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13. A data storing and reproducing system according to Claim 12, wherein the image data is in the form of Hypertext Markup Language (HTML) image data.

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14. A data storing and reproducing system according to Claim 1, wherein the attachment unit further comprises:

means for generating a conversion request directed to the server, the conversion request based on information stored in the portable memory device received from the attachment unit.

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15. A data storing and reproducing system according to Claim 14, wherein the generation means further comprising:

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means for determining whether or not the data is of a format that is suitable for the reproduction device;

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means for sending a conversion request to the server based on the determination by the determining means.

16. A data storing and reproducing system according to Claim 15, wherein the sending means further comprises:

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means for determining whether the attachment unit is capable of converting the data; and

means for sending a conversion request when it is determined that the attachment unit is not capable of converting the data.

5 17. A data storing and reproducing system according to Claim 1, wherein the portable memory device stores information received from the server.

10 18. A data storing and reproducing system according to Claim 17, wherein the stored information includes personal information unique to a user of the portable memory device.

15 19. A data storing and reproducing system according to Claim 17, wherein the stored information includes a file reference corresponding to each data file sent to the server using the portable memory device.

20 20. A data storing and reproducing system according to Claim 17, wherein the stored information includes a format attribute identifying a format of a data file sent to the server using the portable memory device.

25 21. A data storing and reproducing system according to Claim 17, wherein the stored information includes personal facsimile information used in sending the data as a facsimile message.

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22. A data storing and reproducing system according to Claim 17, wherein the stored information includes email information used in sending the data as an email message.

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23. A data storing and reproducing system according to Claim 1, wherein the first or second reproduction device is a computer.

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24. A data storing and reproducing system according to Claim 1, wherein the first or second reproduction device is one of a print, copier, facsimile and display devices.

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25. A data storing and reproducing system according to Claim 1, wherein the at least one attachment unit sends a request to transmit the data, the server further comprises means for sending the data as an electronic mail message to a specified destination.

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26. A data storing and reproducing system according to Claim 25, wherein the at least one attachment unit sends a request to transmit the data, the server further comprises means for sending the data as a facsimile to a specified destination.

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27. A data storing and reproducing system according to Claim 1, wherein the at least one attachment unit further comprises means for sending a delete request to cause an entry to be deleted

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from the portable memory device and the corresponding data stored on the server to be deleted.

5 28. A network terminal capable of being
accessed by at least one data reproduction device
having means for interfacing with a portable memory
device, the portable memory device including a
reference to reproduction data stored in the network
10 terminal, the network terminal, comprising:
 means for storing the reproduction data;
 means for receiving a request for the
reproduction data from the at least one data
reproduction device;
15 means for determining whether to convert
the reproduction data to a format compatible with
the reproduction device;
 means for converting the reproduction data
based on the result of a determination by the
20 determination means; and
 means for sending the reproduction data to
the reproduction device.

 29. A network terminal according to Claim
25 28, further comprising means for receiving
reproduction data from a reproduction device; and
 means for sending, to the reproduction
device, information for accessing the received
reproduction data on the network terminal, the
30 access information for storage in the portable
memory device.

30. A network terminal according to Claim 28, wherein a compatible format for a reproduction device is an image data format and the reproduction data is not image data, the converting means causing the reproduction data to be converted to image data.

31. A network terminal according to Claim 28, wherein the image data is in the form of Hypertext Markup Language (HTML) image data.

32. A network terminal according to Claim 28, wherein the network terminal converts the reproduction data to be sent to a reproduction device in response to a conversion request received from the reproduction device.

33. A network terminal according to Claim 28, wherein a reproduction device sends a request to transmit data, the network terminal further comprises means for sending the reproduction data as an electronic mail message to the specified destination if the request includes an electronic mail address.

34. An attachment unit connectable to plural types of data processing devices, comprising:
means for interfacing with a portable memory device having information including a reference to reproduction data stored on a network server;

means for sending a request for the reproduction data;

means for receiving the reproduction data from the network terminal and ensuring that the reproduction data is in a format for use by one of the plural types of data processing devices; and

means for causing the at least one of the plural types of data processing devices to perform a data reproduction of the received data.

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35. An attachment unit according to Claim 34, further comprising a user interface that comprises a portion that is common to all reproduction devices and another portion that is customized to an attached reproduction device.

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36. An attachment unit according to Claim 35, wherein the customized portion of the user interface is generated based on function information received from the attached reproduction device.

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37. An attachment unit according to Claim 35, wherein the user interface displays for selection at least one entry corresponding to a reproduction data reference stored in the portable memory device and at least one selectable function associated with a reproduction device.

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38. An attachment unit according to Claim 34, wherein the means for receiving the reference data further comprising:

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means for determining, based on information stored in the portable memory device, whether to request the network terminal to format the reproduction data before sending the reproduction data to be reproduced by the reproduction device;

means for sending the conversion request if it is determined to request the network terminal to format the reproduction data.

39. An attachment unit according to Claim 38, wherein the determination means further comprising:

means for determining whether the format of the data is compatible with the reproduction device;

means for determining whether the attachment unit is able to format the data if it is determined that the format is not compatible with the reproduction device;

means for sending the conversion request to the network terminal, if it is determined that the attachment unit is not able to format the data.

40. An attachment unit according to Claim 34, further comprising means for forwarding reproduction data received from the connected reproduction device to the network terminal.

41. An attachment unit according to Claim 34, further comprising means for causing access information corresponding to reproduction data sent

to the network terminal to be stored in the portable memory device.

5 42. An attachment unit according to Claim 34, wherein the stored information includes personal information unique to a user of the portable memory device.

10 43. An attachment unit according to Claim 34, wherein the stored information includes a file reference corresponding to each reproduction data sent to the server using the portable memory device.

15 44. An attachment unit according to Claim 34, wherein the stored information includes a format attribute identifying a format of a reproduction data file sent to the server using the portable memory device.

20 45. An attachment unit according to Claim 34, wherein the stored information includes facsimile information used in sending the reproduction data as a facsimile message.

25 46. An attachment unit according to Claim 34, wherein the stored information includes an electronic mail information used in sending the reproduction data as an electronic mail message.

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47. An attachment unit according to Claim 34, wherein the reproduction device is a computer.

5 48. An attachment unit according to Claim 34, wherein the reproduction device is a printer, copier, facsimile or display device.

10 49. An attachment unit according to Claim 34, wherein the reproduction device sends a request to transmit the data, the attachment unit further comprises means for requesting the server to send the reproduction data as an electronic mail message to the specified destination.

15 50. An attachment unit according to Claim 34, further comprising means for sending a delete request to cause an entry to be deleted from the portable memory device and the corresponding reproduction data stored on the server to be
20 deleted.

51. A method of storing and reproducing data on at least one of plural types of reproduction devices, the method comprising:

25 storing the reproduction data on a server;
retrieving information stored on a portable memory device in response to a request to reproduce the reproduction data using one of plural types of reproduction devices, the stored information on the
30 portable memory device corresponding to the reproduction data;

using the stored information to access the reproduction data on the server and ensure that the reproduction data is of a format suitable for the requested reproduction device; and

5 reproducing the reproduction data using the requested reproduction device.

52. A method according to Claim 51, further comprising sending data to be reproduced by
10 at least one of the plural types of reproduction devices to the server.

53. A method according to Claim 52, wherein sending data to be reproduced is performed
15 in response to an identification of data as reproduction data.

54. A method according to Claim 53, wherein the operation comprises a dragging operation
20 in a user interface wherein a representation of the data is dragged and dropped onto a representation of the portable memory device.

55. A method according to Claim 53, wherein the data sent to the server is in its
25 current format.

56. A method according to Claim 51, further comprising:
30 displaying in a user interface entries for each of data stored on the server for which there is

information in the portable memory device, each entry including information retrieved from the portable memory device.

5 57. A method according to Claim 51,
further comprising:

 displaying in a user interface
functionality that is common to the plural types of
reproduction devices and functionality that is
10 unique to a given reproduction device.

 58. A method according to Claim 51,
wherein the step of using the stored information of
the portable memory device further comprises:

15 determining whether to convert the data
into a format suitable for the requested
reproduction device;

 causing the data to be converted to a
suitable format if it is determined that the format
20 is unsuitable for the requested reproduction device.

 59. A method according to Claim 58,
wherein the network server converts the reproduction
data.

25 60. A method according to Claim 58,
wherein an attachment unit coupled to the requested
reproduction device converts the reproduction data.

61. A method according to Claim 51,
wherein the suitable format for the requested
reproduction device is an image data format.

5 62. A method according to Claim 51,
wherein the image data is in the form of Hypertext
Markup Language image data.

10 63. A method according to Claim 51,
wherein the stored information comprises reference
information to access the reproduction data on the
server.

15 64. A method according to Claim 63,
wherein the stored information comprises personal
information unique to a user of the portable memory
device.

20 65. A method according to Claim 63,
wherein the stored information comprises a file
reference corresponding to each reproduction data
sent to the server using the portable memory device.

25 66. A method according to Claim 51,
wherein the stored information comprises a format
attribute identifying a format of a data sent to the
server using the portable memory device.

30 67. A method according to Claim 51,
wherein the stored information comprises facsimile

information used in sending the reproduction data as a facsimile message.

5 68. A method according to Claim 51,
wherein the stored information includes email
information used in sending the reproduction data as
an email message.

10 69. A method according to Claim 51,
wherein the requested reproduction device is a
computer.

15 70. A method according to Claim 51,
wherein the requested reproduction device is one of
a print, copier, facsimile and display devices.

20 71. A method according to Claim 51,
wherein the requested reproduction device is the
server, reproducing the reproduction data further
comprising:

 sending the reproduction data as an
electronic mail message to a destination specified
in a request for the reproduction data directed to
the server.

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 72. A method according to Claim 51,
wherein the requested reproduction device is a
facsimile, reproducing the reproduction data further
comprising:

sending the reproduction data as a facsimile to a destination using the requested reproduction device.

5 73. A method according to Claim 51,
further comprising:

deleting the reproduction data on the server and corresponding information on the portable memory device.

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74. A method for reproducing data using a terminal connected to a network having plural types of reproduction devices each having data format requirements, the method comprising:

15 storing the reproduction data;

 sending access information corresponding to the reproduction data for storage in a portable memory device;

20 receiving a reproduction request including information stored in the memory of the portable memory device;

 determining using information included in the reproduction request whether to convert the reproduction data to a new format;

25 converting the reproduction data based on the outcome of the determining step; and

 sending the reproduction data for reproduction by the requested reproduction device.

30 75. A method according to Claim 74,
wherein the suitable format is an image data format.

76. A method according to Claim 75,
wherein the image data is in the form of Hypertext
Markup Language (HTML) image data.

5 77. A method according to Claim 74,
wherein the stored information comprises reference
information to access the reproduction data on the
server.

10 78. A method according to Claim 74,
wherein the stored information comprises personal
information unique to a user of the portable memory
device.

15 79. A method according to Claim 74,
wherein the stored information comprises a file
reference corresponding to each reproduction data
sent to the server using the portable memory device.

20 80. A method according to Claim 74,
wherein the stored information comprises a format
attribute identifying a format of reproduction data
sent to the server using the portable memory device.

25 81. A method according to Claim 74,
wherein the stored information comprises facsimile
information used in sending the reproduction data as
a facsimile message.

30 82. A method according to Claim 74,
wherein the stored information includes email

information used in sending the reproduction data as an email message.

5 83. A method according to Claim 74,
wherein the requested reproduction device is a computer.

10 84. A method according to Claim 74,
wherein the requested reproduction device is one of a print, copier, facsimile and display devices.

15 85. A method according to Claim 74,
wherein the requested reproduction device is the server, reproducing the reproduction data further comprising:

20 sending the reproduction data as an electronic mail message to a destination specified in a request for the reproduction data directed to the server.

25 86. A method according to Claim 74,
wherein the requested reproduction device is a facsimile, reproducing the reproduction data further comprising:

 sending the reproduction data as a facsimile to a destination using the requested reproduction device.

30 87. A method according to Claim 74,
further comprising:

deleting the reproduction data on the server and the stored information corresponding to the reproduction data on the portable memory device.

5 88. A method of reproducing data using an attachment unit connectable to plural types of reproduction devices and to a network server, the method comprising:

interfacing with a portable memory device
10 to store and retrieve information including a reference to reproduction data stored on the network server;

detecting a request to reproduce the data using a requested one of the plural types of
15 reproduction devices;

determining, using the stored information, whether the data stored on the network server is to be converted to a format suitable for the requested reproduction device;

20 sending a request to the network server for the reproduction data;

causing the requested reproduction devices to reproduce the reproduction data received from the network server.

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89. A method according to Claim 88, further comprising:

displaying in a user interface entries for each of data stored on the server for which there is
30 information in the portable memory device, each

entry including information about the data retrieved from the portable memory device.

5 90. A method according to Claim 88,
further comprising:

 displaying in a user interface
functionality that is common to the plural types of
reproduction devices and functionality that is
unique to a given reproduction device.

10 91. A method according to Claim 90,
wherein the functionality that is unique to a given
reproduction device is specified by the given
reproduction device.

15 92. A method according to Claim 91,
wherein receiving the reference data further
comprising:

 determining, based on information stored in
20 the portable memory device, whether to request the
network terminal to format the reproduction data;

 sending the conversion request if it is
determined to request the network terminal to format
the reproduction data.

25 93. A method according to Claim 92,
wherein determining whether to request the network
terminal to format the reproduction data further
comprising:

30 determining whether the format of the data
is compatible with the reproduction device;

determining whether the attachment unit is able to format the data if it is determined that the format is not compatible with the reproduction device;

5 sending the conversion request to the network terminal, if it is determined that the attachment unit is not able to format the data.

10 94. A method according to Claim 88, further comprising forwarding reproduction data received from the connected reproduction device to the network terminal.

15 95. A method according to Claim 88, further comprising causing access information corresponding to reproduction data sent to the network terminal to be stored in the portable memory device.

20 96. A method according to Claim 88, wherein the stored information includes personal information unique to a user of the portable memory device.

25 97. A method according to Claim 88, wherein the stored information includes a file reference corresponding to each reproduction data sent to the network server using the portable memory device.

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5 98. A method according to Claim 88,
 wherein the stored information includes a format
 attribute identifying a format of a reproduction
 data file sent to the network server using the
 portable memory device.

10 99. A method according to Claim 88,
 wherein the stored information includes facsimile
 information used in sending the reproduction data as
 a facsimile message.

15 100. A method according to Claim 88,
 wherein the stored information includes an
 electronic mail information used in sending the
 reproduction data as an electronic mail message.

20 101. A method according to Claim 88,
 wherein the reproduction device is a computer.

 102. A method according to Claim 88,
 wherein the reproduction device is a print, copier,
 facsimile or display device.

25 103. A method according to Claim 88,
 wherein the reproduction device sends a request to
 transmit the data, the method further comprises:

 requesting the network server to send the
 reproduction data as an electronic mail message to
 the specified destination.

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104. A method according to Claim 88,
further comprising:

5 causing an entry to be deleted from the
portable memory device and the corresponding
reproduction data stored on the server to be
deleted.

10 105. A computer-readable memory medium in
which computer-executable process steps are stored,
the process steps for storing and reproducing data
on at least one of plural types of reproduction
devices, wherein the process steps comprise:

15 a storing step to store the reproduction
data on a server;
a retrieving step to retrieve information
stored on a portable memory device in response to a
request to reproduce the reproduction data using one
of plural types of reproduction devices, the stored
information on the portable memory device
20 corresponding to the reproduction data;

an accessing step to access, using the
stored information, the reproduction data on the
server and ensure that the reproduction data is of a
format suitable for the requested reproduction
25 device; and

a reproducing step to reproduce the
reproduction data using the requested reproduction
device.

30 106. A computer-readable memory medium
according to Claim 105, further comprising a sending

step to send data to be reproduced by at least one of the plural types of reproduction devices to the server.

5 107. A computer-readable memory medium according to Claim 105, wherein sending data to be reproduced is performed in response to an identification of data as reproduction data.

10 108. A computer-readable memory medium according to Claim 107, wherein the operation comprises a dragging operation in a user interface wherein a representation of the data is dragged and dropped onto a representation of the portable memory device.

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 109. A computer-readable memory medium according to Claim 107, wherein the data sent to the server is in its current format.

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 110. A computer-readable memory medium according to Claim 105, further comprising:
 a displaying step to display in a user interface entries for each of data stored on the server for which there is information in the portable memory device, each entry including information retrieved from the portable memory device.

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30 111. A computer-readable memory medium according to Claim 105, further comprising:

a displaying step to display in a user interface functionality that is common to the plural types of reproduction devices and functionality that is unique to a given reproduction device.

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112. A computer-readable memory medium according to Claim 105, wherein the accessing step further comprises:

10 a determining step to determine whether to convert the data into a format suitable for the requested reproduction device;

15 a causing step to cause the data to be converted to a suitable format if it is determined that the format is unsuitable for the requested reproduction device.

113. A computer-readable memory medium according to Claim 112, wherein the network server converts the reproduction data.

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114. A computer-readable memory medium according to Claim 112, wherein an attachment unit coupled to the requested reproduction device converts the reproduction data.

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115. A computer-readable memory medium according to Claim 105, wherein the suitable format for the requested reproduction device is an image data format.

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116. A computer-readable memory medium according to Claim 105, wherein the image data is in the form of Hypertext Markup Language (HTML) image data.

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117. A computer-readable memory medium according to Claim 105, wherein the stored information comprises reference information to access the reproduction data on the server.

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118. A computer-readable memory medium according to Claim 117, wherein the stored information comprises personal information unique to a user of the portable memory device.

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119. A computer-readable memory medium according to Claim 117, wherein the stored information comprises a file reference corresponding to each reproduction data sent to the server using the portable memory device.

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120. A computer-readable memory medium according to Claim 105, wherein the stored information comprises a format attribute identifying a format of a data sent to the server using the portable memory device.

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121. A computer-readable memory medium according to Claim 105, wherein the stored information comprises facsimile information used in

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sending the reproduction data as a facsimile message.

5 122. A computer-readable memory medium according to Claim 105, wherein the stored information includes email information used in sending the reproduction data as an email message.

10 123. A computer-readable memory medium according to Claim 105, wherein the requested reproduction device is a computer.

15 124. A computer-readable memory medium according to Claim 105, wherein the requested reproduction device is one of a print, copier, facsimile and display devices.

20 125. A computer-readable memory medium according to Claim 105, wherein the requested reproduction device is the server, the step of reproducing the reproduction data further comprising:

25 a sending step to send the reproduction data as an electronic mail message to a destination specified in a request for the reproduction data directed to the server.

30 126. A computer-readable memory medium according to Claim 105, wherein the requested reproduction device is a facsimile, the step of

reproducing the reproduction data further
comprising:

5 a sending step to send the reproduction
data as a facsimile to a destination using the
requested reproduction device.

127. A computer-readable memory medium
according to Claim 105, further comprising:

10 a deleting step to delete the reproduction
data on the server and corresponding information on
the portable memory device.

15 128. A computer-readable memory medium in
which computer-executable process steps are stored,
the process steps for reproducing data using a
terminal connected to a network having plural types
of reproduction devices each having data format
requirements, wherein the process steps comprise:

20 a storing step to store the reproduction
data;

 a sending step to send access information
corresponding to the reproduction data for storage
in a portable memory device;

25 a receiving step to receive a reproduction
request including information stored in the memory
of the portable memory device;

30 a determining step to determine using
information included in the reproduction request
whether to convert the reproduction data to a new
format;

a converting step to convert the reproduction data based on the outcome of the determining step; and

5 a sending step to send the reproduction data for reproduction by the requested reproduction device.

129. A computer-readable memory medium according to Claim 128, wherein the suitable format is an image data format.

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130. A computer-readable memory medium according to Claim 129, wherein the image data is in the form of Hypertext Markup Language (HTML) image data.

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131. A computer-readable memory medium according to Claim 128, wherein the stored information comprises reference information to access the reproduction data on the server.

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132. A computer-readable memory medium according to Claim 128, wherein the stored information comprises personal information unique to a user of the portable memory device.

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133. A computer-readable memory medium according to Claim 128, wherein the stored information comprises a file reference corresponding to each reproduction data sent to the server using the portable memory device.

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134. A computer-readable memory medium according to Claim 128, wherein the stored information comprises a format attribute identifying a format of reproduction data sent to the server using the portable memory device.

135. A computer-readable memory medium according to Claim 128, wherein the stored information comprises facsimile information used in sending the reproduction data as a facsimile message.

136. A computer-readable memory medium according to Claim 128, wherein the stored information includes email information used in sending the reproduction data as an email message.

137. A computer-readable memory medium according to Claim 128, wherein the requested reproduction device is a computer.

138. A computer-readable memory medium according to Claim 128, wherein the requested reproduction device is one of a print, copier, facsimile and display devices.

139. A computer-readable memory medium according to Claim 128, wherein the requested reproduction device is the server, the step of reproducing to reproduce the reproduction data further comprising:

a sending step to send the reproduction data as an electronic mail message to a destination specified in a request for the reproduction data directed to the server.

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140. A computer-readable memory medium according to Claim 128, wherein the requested reproduction device is a facsimile, the reproducing step to reproduce the reproduction data further comprising:

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a sending step to send the reproduction data as a facsimile to a destination using the requested reproduction device.

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141. A computer-readable memory medium according to Claim 128, further comprising:

a deleting step to delete the reproduction data on the server and the stored information corresponding to the reproduction data on the portable memory device.

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142. A computer-readable memory medium in which computer-executable process steps are stored, the process steps for reproducing data using an attachment unit connectable to plural types of reproduction devices and to a network server, wherein the process steps comprise:

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an interfacing step to interface with a portable memory device to store and retrieve information including a reference to reproduction data stored on the network server;

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a detecting step to detect a request to reproduce the data using a requested one of the plural types of reproduction devices;

5 a determining step to determine, using the stored information, whether the data stored on the network server is to be converted to a format suitable for the requested reproduction device;

a sending step to send a request to the network server for the reproduction data;

10 a causing step to cause the requested reproduction devices to reproduce the reproduction data received from the network server.

15 143. A computer-readable memory medium according to Claim 142, further comprising:

a displaying step to display in a user interface entries for each of data stored on the server for which there is information in the portable memory device, each entry including
20 information about the data retrieved from the portable memory device.

144. A computer-readable memory medium according to Claim 142, further comprising:

25 a displaying step to display in a user interface functionality that is common to the plural types of reproduction devices and functionality that is unique to a given reproduction device.

30 145. A computer-readable memory medium according to Claim 144 wherein the functionality

that is unique to a given reproduction device is specified by the given reproduction device.

5 146. A computer-readable memory medium according to Claim 145, wherein the receiving step to receive the reference data further comprising:

 a determining step to determine, based on information stored in the portable memory device, whether to request the network terminal to format the reproduction data;

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 a sending step to send the conversion request if it is determined to request the network terminal to format the reproduction data.

15 147. A computer-readable memory medium according to Claim 146, wherein the determining step to determine whether to request the network terminal to format the reproduction data further comprising:

 a determining step to determine whether the format of the data is compatible with the reproduction device;

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 a determining step to determine whether the attachment unit is able to format the data if it is determined that the format is not compatible with the reproduction device;

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 a sending step to send the conversion request to the network terminal, if it is determined that the attachment unit is not able to format the data.

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148. A computer-readable memory medium according to Claim 142, further comprising a forwarding step to forward reproduction data received from the connected reproduction device to the network terminal.

149. A computer-readable memory medium according to Claim 142, further comprising a causing step to cause access information corresponding to reproduction data sent to the network terminal to be stored in the portable memory device.

150. A computer-readable memory medium according to Claim 142, wherein the stored information includes personal information unique to a user of the portable memory device.

151. A computer-readable memory medium according to Claim 142, wherein the stored information includes a file reference corresponding to each reproduction data sent to the network server using the portable memory device.

152. A computer-readable memory medium according to Claim 142, wherein the stored information includes a format attribute identifying a format of a reproduction data file sent to the network server using the portable memory device.

153. A computer-readable memory medium according to Claim 142, wherein the stored

information includes facsimile information used in sending the reproduction data as a facsimile message.

5 154. A computer-readable memory medium according to Claim 142, wherein the stored information includes an electronic mail information used in sending the reproduction data as an electronic mail message.

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 155. A computer-readable memory medium according to Claim 142, wherein the reproduction device is a computer.

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 156. A computer-readable memory medium according to Claim 142, wherein the reproduction device is a print, copier, facsimile or display device.

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 157. A computer-readable memory medium according to Claim 142, wherein the reproduction device sends a request to transmit the data, the method further comprises:

 a requesting step to request the network
25 server to send the reproduction data as an electronic mail message to the specified destination.

 158. A computer-readable memory medium
30 according to Claim 142, further comprising:

[illegible]